

Uml Shuttle

A PUBLICATION OF THE UNIVERSITY OF MASSACHUSETTS LOWELL

Preparations Building to a Crescendo

Many Involved in Planning Week of Inaugural Events

Like the controlled chaos surrounding the opening of a Broadway show, the preparations for the inauguration of Chancellor Marty Meehan are building to a crescendo. The week of inaugural activities is just around the corner and, with seemingly every department and office lending a hand, the excitement of participating in this historic moment seems to be contagious.

"So many people are working to showcase the strengths of the University during inauguration week," says Chief Public Affairs Officer Patti McCafferty, co-chair of the Campus Inaugural Steering Committee. "The campus community is demonstrating the pride it has for this university, and the hope for its future."

McCafferty notes that the week of activities truly demonstrates the inaugural theme: "Building a New Vision Together: Excellence Through Innovation."



▲ Chancellor Marty Meehan



▲ U.S. Rep. Nancy Pelosi



▲ Gov. Deval Patrick

Starting Monday, March 31, the campus will suspend its normal routine to experience the essence of what makes the University special. Students, faculty, staff and visitors can choose from more than 12 different academic events, three exhibits, two major fundraisers, three concerts and finally—the very reason for the celebration—the official passing of the leadership reins to Chancellor Marty Meehan on Friday, April 4.

The significance of this historic event cannot be overstated.

In the 32 years since Lowell Tech and Lowell State joined to become a university, only three people have taken over as leader—and the other

two had no official inauguration. The last change of leadership was in 1981, when William T. Hogan moved from vice president of Academic Affairs to interim president of the University of Lowell, taking over from the University's first president, John B. Duff.

The world outside the campus is responding to the excitement as well. With more than \$300,000 in commitments in hand already, the inauguration will allow the establishment of one of the largest scholarship funds ever created through one event: the Martin T. Meehan Education Excellence Fund. Alumni, friends,

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Sponsors Stepping Up For Scholarships

More than \$300,000 Already Pledged For Inauguration

In addition to marking an historic moment in the life of UMass Lowell, the inauguration of Chancellor Marty Meehan is guaranteed to create one of the largest scholarship funds at the University. Sponsors have already committed more than \$300,000 to the inauguration, most going to the Martin T. Meehan Educational Excellence Fund. That total is expected to continue to grow as the event draws closer.

The money is coming from alumni, friends and corporate sponsors

who have pledged anywhere from \$1,000 to \$50,000. To date, the top individual donors are alumni Charles Hoff '66 (\$50,000), John Kennedy '70 (\$25,000) and L. Donald LaTorre '59 (\$25,000) as well as Honorary Committee Co-chair George Behrakis (\$25,000). Raytheon, Aramark, the Lowell Sun and the New England Patriots have each committed \$25,000 as well.

While most of the events leading up to the inauguration are free, two events the night before the official ceremony will raise money for several endowments, including the chancellor's scholarship fund and music scholarships.

Tickets for Thursday's Inaugural Benefit Concert at Durgin Hall are

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Center for Family, Work and Community Funded to Lead Statewide Process

UMass Lowell's Center for Family, Work and Community (CFWC) has received a grant for \$124,000 from the Nellie Mae Education Foundation to bring together leading experts to develop solutions to summer learning loss that occurs frequently in middle school.

Prof. Linda Silka and colleagues from CFWC will facilitate in-person and on-line discussions among practitioners, educators, researchers and policy makers over the next six months, and

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UMass President Wilson Honors Martin and Roberts for Exemplary Public Service

University of Massachusetts President Jack M. Wilson has announced the names of six winners of the 2007 President's Public Service Awards, presented annually to faculty members from the system's five campuses who have been nominated by their chancellors for providing exemplary public service to the Commonwealth. This year, two of the six winners selected were from UMass Lowell: Asst. Prof. Fred Martin of the Computer Science Department and Prof. Kay George Roberts of the Music Department.

In nominating Martin, Chancellor Marty Meehan called him "a champion of K-12 science education, using robotics as the platform to encourage creative scientific investigation for students and teachers. He demonstrates how robotics can be used as an entry point to other scientific disciplines, bringing enthusiasm and creativity to a critical academic area."

Martin joined the faculty in 2002. In partnership with fellow CS professor Holly Yanco, he developed Botball, a series of competitions among high-school teams' robots, and Botfest, an exhibition of student-designed interactive robots. He also co-founded the Artbotics project, which combines the work of art and CS students in developing robots.



▲ Asst. Prof. Fred Martin of the Computer Science Department and Prof. Kay Roberts of the Music Department with Chancellor Marty Meehan.

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Panel Tackles Climate Change in New England

Participants to Think Globally, But Act Locally

In the spirit of Chancellor Marty Meehan's inaugural theme of "Building a New Vision Together," the Department of Environmental, Earth and Atmospheric Sciences is sponsoring a panel discussion on how government and industry can work together to mitigate the effects of global warming, starting here in New England. Called "A Vision for Addressing Climate Change," the event will be held March 31 at Cumnock Hall, from 9 to 11 a.m.

The panelists will include U.S. Rep. Ed Markey (invited), Energy and Environmental Affairs Secretary Ian Bowles, Rev. Fred Small of the Religious Witness for the Earth and Rick Hess of Konarka Technologies. WBZ-TV meteorologist and UML adjunct faculty member Mish Michaels will serve as moderator.

"Within the past year the need for action on climate change has become salient, and we feel that a public forum where we can discuss this issue is very timely," says Prof. Arnold O'Brien, chairman of the department and organizer of the event along with climate science Asst. Prof. Mathew Barlow.

"Our goal is to move beyond the general discussion of the problem and actually begin to develop

specific strategies or solutions," says Barlow. "That's the reason why we've invited decision makers in the local, state and federal levels of government as well as representatives from the industry sector to participate."

Following the panel discussion, the University will host a "fair" for companies that have developed energy sources that minimize the use of fossil fuels.



▲ Arnold O'Brien, left, and Mathew Barlow

"It is our hope that both the panelists and the audience will leave the discussion with a clearer vision for our future," says O'Brien.

The University's Chancellor has long been an advocate for taking action to combat global warming. In December 2006, Meehan, then a U.S. Congressman, sponsored a town meeting, "Climate Change: Local Solutions to a Global Crisis," at UMass Lowell. The event, which was attended by Gov. Deval Patrick, drew about 1,000 people.

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Sponsors Stepping Up For Scholarships

\$100, which includes admission to the pre-concert reception in O'Leary Library. Tickets to the Inaugural Gala at Allen House are \$1,000, which also includes admission to the concert and reception.

Students will be admitted to the concert for free. Tickets are available at the Dean of Students Office.

The Inaugural Benefit Concert will showcase the many talented student and faculty groups that are an integral part of the cultural life of the University. The concert starts at 6 p.m. Doors to the reception open at 4:30 p.m.

"We wanted to include as much of a variety of performers as possible," says Paula Telesco, chair of the Music Department and organizer of the event. "We rarely have the opportunity to feature our adjunct music faculty, who have incredible talent and impressive backgrounds. And our student groups will really elevate the emotion and excitement of the inauguration."

The concert will feature faculty performers, conductors and student ensembles, including the University Orchestra, Wind Ensemble, Concert Band and University Choir. In addition, there will be special guest performances by faculty duo-piano team Bonnie Anderson and Thomas Stumpf, and a faculty jazz quintet featuring Jon Wheatley on guitar, Walter Platt on trumpet, Ken Reid on saxophone, Mark Henry on bass and Jim Lattini on percussion, joined by student singer Dayna Brown.

Asst. Prof. Andre Dubus III, award-winning author of "House of Sand and Fog," will also read from his work. Classical guitarist Rick

Shilling will perform during the reception before the concert.

The musical pieces chosen for the performances range from the Wind Ensemble's "Rising Dragons," a tribute to a Korean naval hero, Yi Sun Shin, to the University Choir's "Geographical Fugue" by Ernst Toch, which uses speech to produce music. Kay George Roberts says her selection of David Amran's "En Memoria de Chano Pozo" for the University Orchestra is particularly relevant.

"Amran was a close friend of Jack Kerouac and is a passionate Lowellian at heart," says Roberts of the tribute to Dizzy Gillespie's Cuban percussionist. "Beyond the local connection, it's a great piece to have students, faculty and alumni join in for the celebration."

Following the concert, the action will move to Allen House at 7:30 p.m. for the Inaugural Benefit Gala, a special celebration that will raise funds for student scholarships. It is sponsored by Aramark. In addition to recognizing the week's sponsors and donors, the event will feature the presentation of the University's Circle of Distinction award to Alan Solomont '77, a leading expert and provider of eldercare in New England.

As founder and CEO of the A.D.S. Group, Solomont helped to build a broad and innovative network of post-acute, elder healthcare services. He has recently launched a new company, Solomont Bailis Ventures, to continue seeking innovative ways to care for elder citizens.

—KO'R

Noted Peace Activist to Keynote Inaugural Discussion Group

Greeley Scholar, Sponsored by PACSI, Joins Two Others on Non-violence Panel

At 1 p.m. on Thursday, April 3, a 90-minute discussion program, "A New Vision for Peace," featuring internationally known peace activist Linda Biehl and at least two members of the UMass Lowell faculty, will take place in O'Leary 222.

The program will be a signature event in the week-long activities leading to the Friday inauguration of Chancellor Marty Meehan.

Biehl, the first annual Greeley Scholar for Peace Studies—her appearance made possible through the award of a \$511,000 endowment, including matching state funds, from the Dana McLean Greeley Foundation for Peace and Social

Justice—is also the founder and director of the Amy Biehl Foundation and Trust, named for her daughter, who was murdered by gang members in South Africa 15 years ago. Since then, she has reconciled with her daughter's killers and dedicated her life to the eradication of gang violence in that country.

The sponsors of the event, in addition to the Greeley Foundation, include the UMass Lowell Peace and Conflict Studies Institute (PACSI); Prof. Daniel Egan of the Sociology Department; Prof. Robert Gamache of Environmental, Earth and Atmospheric Sciences; Prof. Allan Roscoe of Criminal Justice; Prof. Whitley Kaufman of Philosophy; and Imogene Stulken of the Protestant Campus Ministry.

In addition to Biehl, the discussion will be joined by Prof. Roscoe and by RESD Prof. Linda Silka, director of the Center for Family, Work and Community. The three will

exchange, among other things, their ideas for strategies to address gang violence, and will draw parallels between the violence that took the life of Biehl's daughter and what is happening today in the streets of Lowell and other U.S. cities.

The Greeley Foundation, based in Concord, is named for Rev. Dana McLean Greeley, a Unitarian minister and international peace activist who devoted himself to the collective, society-wide pursuit of social change. The endowment it creates will permit a yearly visit to the campus by a noted humanitarian, faith leader or advocate for peace, who will teach and engage in public discussions.



▲ Linda Biehl, first annual Greeley Scholar, will be a keynote speaker at the PACSI-sponsored inaugural discussion group on non-violence.

"With this gift, we are institutionalizing peace," said Prof. Gamache, who also serves as PACSI co-director, at the time of the endowment's announcement last fall. "This endowment will allow PACSI to expand its mission to promote education, research and practice concerning peace and conflict issues."

In attendance at the discussion program will be members of Prof.

Whitley Kaufman's The Problem of Evil class, Prof. Roscoe's Criminal Profiling class, and other classes not yet determined. Members of the community will also be welcome.

Sycamore Networks Co-founder Headlines 'Innovation for the Next Generation'

Prominent entrepreneurs, including alumni who parlayed their UMass Lowell education into success in the business world, will be the featured speakers at "Innovation for the Next Generation," one of the signature events being presented as part of the inauguration of Chancellor Marty Meehan next month.

Gururaj "Desh" Deshpande, co-founder and chairman of Sycamore Networks, will be the keynote speaker at the program on Wednesday, April 2, from 1 to 2:30 p.m. in Alumni Hall.

The event—presented by the College of Management in conjunction with the College of Engineering and Division of Science—will focus on how scientific discovery, technological advances and market commercialization come together to form the foundation of economic development in the region. UMass Lowell alumnus L. Donald LaTorre '59 donated \$25,000 to sponsor the event.

Deshpande—who has successfully commercialized ideas and

products that have reshaped entire industries—and a panel of experts in business and science will share their experiences and discuss what students must do to ready themselves for leadership roles after graduation.

Moderating the panel will be Boston Business Journal and Mass High Tech Publisher Michael Olivieri '85, who earned a bachelor's degree in mathematics from UMass Lowell. Panelists will include fellow alums Joseph Vaillancourt, who earned a bachelor's degree from UML in 1990 and an M.B.A. here in 2001 and is the managing director of organic growth for Hampton, N.H.-based Waste Management; and Kenneth Steinberg, chief executive officer and founder of Savant Protection of Nashua, N.H. Also serving on the panel will be Prof. Joey Mead, co-director of UML's Nanomanufacturing Center; and Prof. Stephen McCarthy of the Department of Plastics Engineering and co-director of the Massachusetts Medical Device Development Center (M2D2).

"This event is an outstanding opportunity for our graduate and undergraduate students from a range of disciplines to hear directly from some remarkable entrepreneurs what it takes to transform an idea into a successful business venture," says Kathryn Carter, dean of the College of Management. "I suspect all attendees will be energized toward entrepreneurship as a result of this session."

Prof. Valerie Kijewski, the session chair, says the event grew out of the partnership between the College of Management, College of Engineering and Division of Science that both educates business students and helps further scientific innovation and economic development.

"We're working with emerging technologies on the business side," says Kijewski. The College of Management recently began offering an entrepreneurship concentration led by Asst. Prof. Steve Tello, Asst. Prof. Yi Yang and visiting instructor Ashwin Mehta.

As part of their coursework, candidates for master's degrees in business administration have been working with Engineering and

Science to determine the value and market potential of some of the intellectual property being developed. Through those efforts, those studying entrepreneurship and strategy have created business plans for projects in areas such as fingerprint technology, biomedical products and polymeric antioxidants, Kijewski says.

The interdisciplinary approach of management, engineering and science is an example of how the University is a leader in economic development in Massachusetts, "helping to move technology from the lab into the marketplace," says Kijewski. The results include new jobs and a stronger Commonwealth.

"UMass Lowell is in a unique position to assist in the development of future industries in Massachusetts," says Prof. Yash Puri, who is working with organizers on the program and has experience building successful startup companies. "Our approach to management, engineering and science helps integration of hands-on experience and problem-solving to create new markets for technology-based products."



▲ Successful entrepreneur Gururaj "Desh" Deshpande will be the keynote speaker for "Innovation for the Next Generation."

Three Exhibits to Be Displayed Inauguration Week

Chancellor's Fifth District Congressional Archives Featured

An introduction to the new Chancellor through the artifacts and photos of his Congressional archives, research and creative work of faculty, and student experience through the decades will be the subjects of three exhibits displayed on campus during inauguration week.

The lobbies of Lydon and O'Leary libraries, on UML North and South, respectively, will house the exhibit "Martin T. Meehan: Vision, Courage and Service," an introduction to the life and work of the new Chancellor for the campus community and general public.

The exhibit reviews Meehan's years of public service that culminated with his Congressional experience representing the Massachusetts Fifth District from 1993 to 2007. Also included are highlights of his first six months as Chancellor of UML.

The exhibit is part of the Fifth Congressional District of Massachusetts Archives Project of the UMass Lowell Libraries and will remain on display until December.

Members of the archives exhibit committee include Patricia Noreau,

director of UML Libraries, chair; Michelle Gagnon, gallery coordinator and exhibit project manager; Anthony Sampas, archivist of the collection; Emily Byrne, director of the Lowell Fund and Leadership Giving; Paul Marion, executive director of the Office of Community Relations, and Elizabeth James, Public Affairs Office.

Faculty innovation will be featured in "UML Research: Creating the Future of the Commonwealth," exhibited in Cumnock Auditorium on Wednesday, April 2. The faculty union, sponsor of the exhibit, will unveil it at a luncheon to which they have invited high school guidance counselors and community college transfer counselors from across the region. The event is an opportunity for this influential group to meet the UML faculty researchers who will be teaching their students and helping them develop careers.

Exhibits and presentations by faculty cover a wide range of topics, including a "Global Estimate of Arthritis Attributable to Work by Occupations," by Prof. Laura Punnett, of the Work Environment Department; "SoundScapes," a presentation on teens with autism spectrum disorders by Gena Greher, coordinator of the Music Education program, and Ashleigh Hillier, assistant professor of psychology; and an overview of "Art History Without

Bounds" by Prof. Liana Cheney, chair of the Cultural Studies Department.

Presenters also include Sean Collins, associate professor and research coordinator for the Department of Physical Therapy, on "Exercise & Rehabilitation Science;" Prof. Thomas Shea, biological sciences, on his Alzheimer's research; Asst. Prof. Fred Martin, computer science, on robotics; and James Jeffers, assistant professor of art, on the Artbotics project.

The Cumnock Auditorium exhibit will be open to the public from 2 to 3 p.m. on the 2nd, following the luncheon.

"Engaging and Transforming Students: The UMass Lowell Effect," will feature some of the many stories of students whose personal and academic experience at Lowell was a turning point in their lives. Current students profiled in the exhibit talk about the ways in which financial and personal support have made college possible for them. Graduates, ranging back to alums from the 1940s, talk about the many ways in which their experience here shaped their subsequent success.

The student exhibit will be broadcast electronically on Hawki monitors around campus on Tuesday, April 1, from 3 to 11 p.m., and may be broadcast on screens at the Campus Recreation Center as people assemble for the inauguration ceremony on Friday, April 4. It will also be screened in the Allen House during the reception and gala taking place on Thursday evening.

Members of the student exhibit committee are Ellen Duggan, former dean of students; Mary Connelly, director of Student Development and Campus Conduct; Brenda Evans, director of Student Activities and Elizabeth James, Public Affairs Office.



▲ Members of the committee assembling the exhibit on the new Chancellor include, from left, Emily Byrne, Patricia Noreau, Tony Sampas, Michelle Gagnon and Elizabeth James.

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UMass President Wilson Honors Martin and Roberts for Exemplary Public Service

In 2006 Martin received a five-year, \$600,000 CAREER grant from the National Science Foundation, awarded to promising pre-tenure faculty researchers to support their early work. The following year he and Doug Prime, director of K-12 outreach for the College of Engineering, in collaboration with visiting Asst. Prof. Michelle Scribner-MacLean of the Graduate School of Education, won a three-year, \$1.3 million grant from the NSF for "Building an Internet Community of Design Engineers (iCODE)." The project develops and supports online engineering design programs for students in grades 7 to 12 in Lowell, Lawrence and Boston.

"It's very exciting," says Martin, "and I'm extremely grateful for all the support UMass Lowell has given me, allowing me to engage in the work I'm being recognized for. I hope that some of the programs that I have fostered have made a difference to the children who have participated in them."

In selecting Kay George Roberts, Wilson says, "Roberts has dedicated her career to advocating for the underrepresented and overlooked in society, promoting music education for children and using music as a bridge to connect cultures. She utilizes her love of music to reach out to the community, advancing K-12 music education in the City of Lowell."

Roberts started the UMass Lowell String Project in 2001, a community outreach program for public school students that fosters diversity in classical music by offering instruction on classic string instruments.

"I experienced first hand how important early exposure to music is for a child," says Roberts. "Teaching at UMass Lowell gave me the chance to reach out to the

Lowell community to give back what has been given to me—education and opportunity."

The first woman to receive a doctorate of musical arts in orchestral conducting from the Yale University School of Music, Roberts has served as cover conductor for the Boston Symphony Orchestra, and guest conductor for the Cleveland Orchestra, the Chicago, Dallas, Detroit, Nashville and National Symphony orchestras, and the Orchestra Svizzera Italiana, where she conducted jazz greats Max Roach, Diane Reeves, and the New York Voices.

In 2004, Roberts founded Lowell's first professional chamber orchestra, the New England Orchestra (NEO) with the mission to link cultures through music and to celebrate harmony in diversity. (See "Concert for Peace" article on page 6)

The recipient of many honors, she was presented a Certificate of Special Congressional Recognition from the U.S. House of Representatives for her "outstanding and invaluable service to the community" and was named a University of Michigan Presidential Professor, one of the highest honors bestowed on visiting artists and scholars, for her work with the Sphinx Organization.

UMass Board of Trustees Chairman Robert J. Manning says of this year's winners, "These individuals are key to what makes the University of Massachusetts such an exciting place to study and work. As long as we can attract faculty members of this caliber, we will continue to increase our reputation as a 'destination university.'"

Martin and Roberts join a list of 59 professors who have received the honor since the award's inception in 1998.

—SE

Achieving Excellence Through Partnerships

Not surprisingly, the forum on Achieving Excellence Through Partnerships, a signature event during inauguration week, involves many different groups. Sections of the forum will emphasize partnerships with community groups, business and health care. Speakers will include a state senator, community leaders and corporate and hospital executives.

"The overarching theme of the forum is that partnerships are vital to our role as a public university," says Prof. Philip Moss of the Department of Regional Economic and Social Development (RESO). "We have a responsibility to the quality of life in the region."

UMass Lowell has a strong reputation for effective partnering.

"Our campus is exciting in having partnerships that transcend disciplines," says RESO Prof. Linda Silka. "We don't separate health care from business from the community. As academics, we at UMass Lowell are accessible and engaged in the large issues of the region—as distinct from 'on the other hand' academics, those too involved in the minutiae to provide a deep background and framework for solving problems."

The forum will be held on Tuesday, April 1, 7:30 – 9 a.m., in the Wannalancit Conference Room. Three sets of panelists will make presentations and lead discussions, as follows:

Panelists for Community Partnerships in the Merrimack Valley will include Silka, Yovani Baez of Lawrence Community Works, and Sen. Steven Panagiotakos. UMass Lowell has engaged in wide-reaching initiatives on regional issues, such as asthma prevention and treatment, and housing needs.

Business Partnerships panelists will include Prof. William Lazonick of RESO; Prof. Robert Malloy of the Plastics Engineering Department; and Michael McGee,

director of technology for Nypco Corporation. Nypco, a company dedicated to technology innovation, has sponsored industrial research on such issues as skill development and competition.



▲ Sen. Steven Panagiotakos, one of the distinguished panelists at the Achieving Excellence Through Partnerships forum and breakfast, to be held Tuesday, April 1, 7:30 to 9 a.m., in the Wannalancit Conference room.

The Health and Education Partnerships panelists will include Assoc. Prof. James Lee of the Community Health and Sustainability Department; Winfield Brown, vice president of administration for Lowell General Hospital; and Asst. Prof. Deirdra Murphy of the Physical Therapy Department. New initiatives

include health management and policy courses taught on site and coordination with the Greater Lowell Health Alliance.

"Partnership is a two-way engagement of service and scholarship," says Moss. "The generation of knowledge enriches the region and we conduct better research and have better curriculum from being grounded in regional challenges."

The forum is sponsored by the College of Arts and Sciences, the College of Engineering and the School of Health and Environment.

"Our campus is exciting in having partnerships that transcend disciplines..."

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Preparations Building to a Crescendo

faculty, staff and others have pledged anywhere from \$1,000 to \$50,000 to sponsor the inaugural events and raise money for scholarships in Chancellor Meehan's name (see related story.)

The culmination of the week's activities will be Friday's official inauguration ceremony, which will be headlined by U.S. House of Representatives Speaker Nancy Pelosi and Gov. Deval Patrick. Students, faculty, staff and friends are encouraged to attend this free event,

which will be steeped in academic tradition. Faculty, administrators and delegates from other universities will walk in the procession to honor the occasion, and UMass President Jack Wilson and Chairman of the Board of Trustees Robert Manning will offer greetings.

This 90-minute ceremony at the Recreation Center starts at 10 a.m. and will be followed by a reception at LeLacheur Park. For more information, visit www.uml.edu/inauguration.

—KO'R

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Chief Public Affairs Officer: Patricia McCafferty

Publisher: Mary Lou Hubbell

Editor: Jack McDonough

Staff Writers: Edwin Aguirre, Renae Lias Claffey, Geoffrey Douglas, Sheila Eppolito, Christine Gillette, Jennifer Hanson, Elizabeth James, Kristen O'Reilly, Sandra Seitz

Morgan Hough Interns: Devonne Sutton

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Re-envisioning Local, National and Global Security as if Women Mattered

The Center for Women & Work (CWW) commemorates its tenth anniversary Gathering at the Well event with a presentation by Cynthia Enloe, internationally renowned feminist and political scientist, who will challenge listeners to think of militarism and security from perspectives as wide-ranging as race, gender, class and ethnic identity. CWW organizers chose the provocative title in keeping with its commitment to provide opportunities to challenge conventional thinking and encourage dialogue.

Enloe, who has served as chair of the Government Department and director of Women's Studies at Clark University, has published 10 books, and has lectured on feminism, militarization and globalization in Japan, Korea, Turkey, Canada, Britain and at numerous universities across the United States.

"Here in the U.S. and in other countries there are now feminist experiences of insecurity that have led to innovative ideas about creating genuine security," says Enloe. "There have been efforts to disentangle militarized notions of security from more realistic strategies, including reforming police and military forces to take domestic violence and sexual assaults more seriously, and challenging the long-standing notion that men are automatically the protectors, while women are always the protected."

"Our forum builds on the fact that women have historically gathered at the well to collect water and share common issues, often turning an onerous task into a source of strength and community," says Meg Bond, director of CWW. "We continue CWW's tradition of gathering at our 'well' to explore provocative top-



▲ Cynthia Enloe

ics—this year gaining insight into what it means to be safe in the twenty-first century."

Following Enloe's presentation, CWW scholars will present work that challenges the mainstream notion of homeland security by emphasizing the importance of drawing strength from family, work and community. At the conclusion of the presentations, lunch will be served.

The event will be held Thursday, April 3 from 8:30 a.m. to noon in Alumni Hall. A \$25 tax-deductible donation is encouraged. Students are admitted free. To register or receive more information, contact The Center for Women and Work, (978) 934-4380, or cww@uml.edu. The events are co-sponsored and partially funded by UML's Council on Diversity and Pluralism and the Department of Psychology.

Author Jonathan Kozol to Deliver M. Virginia Biggy Lecture

Author and activist Jonathan Kozol will deliver the annual M. Virginia Biggy Lecture on Wednesday, April 2, from 4 to 5:30 p.m. in O'Leary Library, Room 222.

Kozol is known for his work promoting the rights of children and championing the cause of equal access for all students to high quality public education. For more than 40 years he has been deeply engaged in policy debate on issues of class, race, civil rights and public education. Kozol is the author of "Savage Inequalities," "The Shame of the Nation," and "Death at an Early Age." Recently, he engaged in a public fast to protest the federal No Child Left Behind Act.

"We are delighted that Dr. Kozol will present this year's M. Virginia Biggy Lecture during inauguration week," says Anita Greenwood, interim dean of the Graduate School of Education. "Dr. Kozol is well-known for fighting on behalf of children of color and poverty trapped in an inequitable educational system. His books continue to remind educators that the struggle for equality of opportunity and conditions in public education is far from over."

Dr. Dana Mohler-Faria, president of Bridgewater State College and special advisor on Education to Gov. Deval Patrick, will provide

a response to Kozol's lecture, as will UML's Prof. Stephanie Chalupka; Charles Caragianes, a Lowell High School teacher; and David Meehan, a teacher at the Performing and Fine Arts High School in Lawrence.

"In putting together the panel, it was important to Dr. Kozol to have classroom teachers participate as their voices are increasingly left out of the public conversation about education," says Prof. James

Nehring, Graduate School of Education and member of the Inaugural Campus Steering Committee. "It was also important to us as a University community to have diversity among the participants and multidisciplinary representation. In addition to the two local teachers on the panel, Stephanie Chalupka's expertise in community health is a natural

tie to Dr. Kozol's work. And we are absolutely thrilled to have Dr. Mohler-Faria participate and offer his perspective as a top policy person."

The lecture is sponsored by the UMass Lowell Graduate School of Education.



▲ Jonathan Kozol

Gym Class Heroes Perform Live

The Gym Class Heroes, a self-described "hip-hop, indie" band, and winner of the MTV 2007 Video Music Award for Best New Artist, will perform at the Campus Recreation Center on Tuesday, April 1.

The band, best known for its gold-selling album "As Cruel as School Children" and number four Billboard Hot 100 Hit, "Cupid's Chokehold," was formed when Travis McCoy and Matt McGinley met in high school physical education class. The group opened for Gwen Stefani during her 2007 "Sweet Escape" tour, and recently toured with The Pack, The Plain White T's, and Cute is What We Aim For. The band's label, Decaydance Records,

recently released the single "Clothes Off" which peaked at number five on the UK Singles Chart.

"Reaction to this band has been very positive—we're excited to bring them to our campus to ensure students are included in the inaugural celebration," says Brenda Evans, director of the Student Activities and Multicultural Affairs Office.

The group has earned widespread critical acclaim. MTV.com says "this indie hip-hop band uses conscious, clever lyrics," while contactmusic.com says "instead of conventional, layered samples and canned beats, Gym Class Heroes is a band that uses live performers on instruments to make their distinct sound."

Student tickets are \$15, general admission is \$25. Doors open at 7 p.m., with the concert slated for 8 p.m.

Tickets are available online at www.umltickets.com, and at student information offices on north and south campuses. For more information, call Student Activities at ext. 5001. This concert is sponsored by the Campus Activities Programming Association.



▲ Gym Class Heroes

Living the Legacy: Concert for Peace

The New England Orchestra—Lowell's only professional orchestra—will perform a concert for peace to commemorate the 40th anniversary of the death of Martin Luther King, Jr. The NEO concert, "Living the Legacy," is part of UMass Lowell's Peace and Conflict Studies Institute's annual Day Without Violence.



▲ Kay George Roberts

The program includes the U.S. premiere of "Lamentation" by African-British composer Tunde Jegede and the rarely performed ballet "Martin" by famous photographer and composer Gordon Parks. Boston Symphony Orchestra cellist Owen Young will perform as soloist. A member of the BSO since 1991, Young has appeared with major orchestras, including the Pittsburgh Symphony and the Boston Pops. He is a founding member of the innovative chamber ensemble, Innuendo, and his performances have been broadcast on National Public Radio. He has performed frequently with singer/songwriter James Taylor, including his nationally televised concert "James Taylor Live at the Beacon Theatre."

UMass Boston Chancellor J. Keith Motley will narrate sections of Dr. King's speech "I Have a Dream," accompanied by Samuel Barber's stirring "Adagio for Strings." Motley, chancellor of UMass Boston since 2007, had served as vice president for business, marketing and public affairs, following more than two decades in higher education administration.

"This event brings together the passion of music and the spirit of peace—and culminates with a first-ever, side-by-side performance of UMass Lowell's String Project students with NEO performers," says NEO and String Project founder

Kay Roberts, professor of Music.

Founded in 2004 to complement the renewal of downtown Lowell, NEO's goal is to reflect the city's diversity by celebrating its many cultures through music. Its first season showcased the rich musical legacy of Lowell by celebrating the 150th birthday of Lowell native George Whitefield Chadwick, and more recently, by marking another great son, Jack Kerouac.

"We intend to nurture a new generation of concert goers with the discovery of the joy of music, and the young talent representing the next generation of artists," says Roberts.

The concert will be held Friday, April 4 at 6 p.m. at the Eliot Presbyterian Church, known for decades as a haven for acceptance and racial tolerance. Admission is \$10 for adults and \$5 for students. UMass Lowell students will be admitted free with ID.



▲ Owen Young (Photo courtesy Susan Wilson)



▲ Keith Motley

Rhodes Scholar-Author to Address Honors Program

Jonathan Lehrer Will Lecture, Share Lunch with Students

An author, magazine editor and former Rhodes Scholar will be the speaker at the first annual spring lecture of the UMass Lowell Honors Program, Tuesday, April 1, 2:30 to 4 p.m. in O'Leary 222.

Jonathan Lehrer, author of the recent "Proust was a Neuroscientist," will address a gathering of the Honors Workshop, then share lunch and dinner with its members later in the day. The meal discussions, according to Honors Program Director Doreen Arcus, will "give students the chance to connect with the author in a personal setting, discussing such topics as what's it's like to be a Rhodes Scholar and how to find a niche in the modern job market."

Lehrer's new book, which has been purchased for reading by Honors Program students, details the foreshadowing of modern discoveries in neuroscience by the creative works of such a range of artists as Proust, Walt Whitman, Paul Cezanne, Igor Stravinsky, and chef Auguste Escoffier.

"A gifted young writer explores the unexpected links between art and modern science," Amazon wrote in its review of the book, "Science has cured countless diseases and even sent humans into space. But, as Jonathan Lehrer argues in this sparkling and original book, science is not the only path to knowledge. In fact, where the brain is concerned, art got there first."

Lehrer, 25, a graduate of Columbia University, is editor at large for SEED magazine. A contributor to NPR, NOVA and Nature magazine, he has studied at Oxford and worked in the laboratory of Nobel prize-winning scientist Eric Kandel.



▲ Author Jonathan Lehrer will address the spring meeting of the Honors Program.

Continued from Page 1

Center for Family, Work and Community Funded to Lead Statewide Process

develop a final policy report with recommendations to solve the statewide problem.

"Competition for this grant was formidable, as many of the leading organizations on the topic

are located in Massachusetts," says Silka. "We are pleased and honored to have been selected to be part of discussions so important to Massachusetts' educational future."



▲ Practitioners, researchers and policy makers involved in identifying strategies to halt summer learning loss gather in a working session.

UML Enters the Blogosphere

Hockey games, visits to Medieval Manor, making blankets for families in need and attending the study abroad fair are all topics of recent posts in UMass Lowell's blogs.

The Public Affairs Office launched blogs (or web logs) featuring current students and undergraduate admissions counselors in an effort to give prospective students and their families an "inside look" at campus life and the admissions process.

UMass Lowell is the first in the UMass System and joins the University of Vermont and the University of Connecticut as state universities in New England with recruitment-focused blogs.

The Boston Globe recently reported about the trend in higher education to embrace "College Admissions 2.0" technologies such as blogs, podcasts, social networks and message boards. A UMass Dartmouth study conducted by Dr. Nora Barnes, director of the Center for Marketing Research, found that colleges are implementing these technologies more quickly than Fortune 500 companies.

"It's where the students are," says Elizabeth James, director of marketing in Public Affairs. "This generation of students expects a more interactive experience online and is skeptical of produced promotional materials. Adding Web 2.0 functionality to our recruitment strategy gives us more tools to

reach prospective students and their families."

The blogs are part of a larger "Web 2.0" approach to make the website more interactive and give a deeper understanding of the UML experience. Later this semester the website, called "Hawk Talk," will launch, featuring blogs, videos, chats, podcasts and other interactive media.

Currently, three students have been hired as bloggers:

Jimmy Martin, a junior majoring in history and English; Stephanie

Bergeron, a sophomore majoring in biology; and

Samantha Willyard, a junior majoring in psychology. Public Affairs plans to add up to three additional students before the end of the semester. Additionally, the page links to Curran Kelleher's blog, *Life as a Human*, which documents his experience as a foreign exchange student in Germany.

Blogging for the Office of Undergraduate Admissions are Ed Seero, assistant director, and Michael Belcher, director of Outreach and Recruitment. Topics include everything from upcoming deadlines to campus events.

Public Affairs plans to roll out the blogging software to other departments across campus next fall to enable faculty and staff to communicate with alumni, current students and researchers.

Read the blogs at www.uml.edu/hawktalk.

MEET OUR BLOGGERS

UMass Researcher to Develop Detector for Nerve Agents

Uses Thin-Film, Carbon-Nanotube Technology

In 1995, members of the religious sect Aum Shinrikyo unleashed an impure form of sarin gas on several trains of the Tokyo Metro subway during rush hour, killing 12 people and severely injuring more than 1,000. To date, these coordinated attacks are the deadliest in Japan since the end of World War II.

Sarin is an extremely poisonous, colorless and odorless compound discovered in the 1930s and later adapted for use in chemical warfare. It is liquid at room temperature but readily turns to gas. Sarin belongs to a class of weapons known as nerve agents, which includes tabun, soman and VX. As the name suggests, nerve agents target a person's nervous system. Victims exposed to them suffer severe, uncontrolled muscular spasms and convulsions and eventual death by asphyxiation.

Assoc. Prof. Sanjeev Manohar, director of UML's Green Technology Laboratory, recently received a two-year, \$300,000 research grant from Advanced Concepts and Technologies, Inc., a defense firm based in Waco, Texas, to develop an engineering prototype device for detecting sarin and other nerve agents using thin-film, carbon-nanotube sensors. Manohar also received \$100,000 to purchase instruments for use by UML and Advanced Concepts and Technologies. This collaboration is in support of a military program of the Edgewood Chemical Biological Center for the U.S. Department of Defense.

"Carbon nanotubes are microscopic structures measuring only a billionth of a meter in size," says Manohar. "Visually, they look like black, sooty powder, much like very fine charcoal. They're another form of pure carbon." He says one way to picture a carbon nanotube is to imagine chicken wire made of pure carbon that is rolled in the form of a long, spaghetti-like cylinder.

Manohar and researchers at Advanced Concepts and Technologies made a very thin layer of these nanotubes on the surface of an ordinary, lightweight plastic transparency film and measured the nanotubes' electrical resistance continuously with time. "We found that the resistance changes significantly when the film is exposed to com-



▲ Sanjeev Manohar

mon toxic organic vapors, and very dramatically when exposed to simulants for nerve agents," he explains. "When these vapors are removed, the resistance comes back to its original value, forming the basis of a detector/sensor for chemical threats."

Unlike many existing sensing materials, carbon nanotubes are chemically and environmentally very stable. "Our sensors, which are about the size of a thumbnail, can be bent or folded without losing their electrical conductivity, which makes them ideal for use in rugged, hostile terrains such as battlefields," he says.

UMass Lowell will develop a low-cost sensor array that can be integrated into a detection module or suite of modules the size of a credit card and will be self-contained, durable and simple to use. "Due to its small size, light weight, and minimal expense, carbon-nanotube sensors can be designed and used as stand-alone, handheld, portable systems for soldiers in the frontlines or integrated into military vehicles and aircraft to provide constant monitoring of the air along their paths," he says.

"At the moment, I'm the sole UML faculty on this project, but I do plan to bring in experts in the areas of pattern recognition and signal processing," says Manohar. He hopes to expand his research and develop sensor arrays that would detect not only nerve agents but also other chemical agents, such as mustard gas, chlorine and phosgene, as well as biological agents, such as anthrax, ebola and cholera.

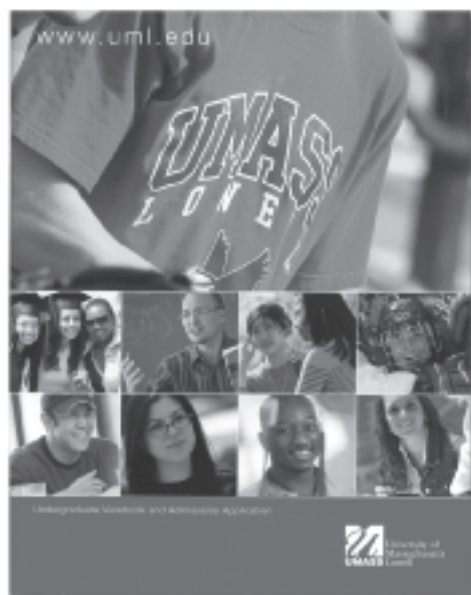
Manohar believes they can readily adapt the carbon-nanotube detector for civilian use. "For example, it can be used to detect soil and groundwater contamination from heavy metals and organo-phosphate fertilizers and pesticides, though much work still needs to be done in this area," he says.

Two Submissions Stand Out Among 2,000 Entries

Two UMass Lowell entries received merit awards in the 23rd Annual Admissions Advertising Awards program sponsored by the Admissions Marketing Report, a publication about marketing higher education. The UML entries were among 2,000 submitted by more than 1,000 colleges, universities and secondary schools nationwide.

The undergraduate search piece and viewbook, both used for student recruitment, were designed by Victoria Dalis of the Public Affairs Office. Awards included gold, silver, bronze and merit categories. The UML entries competed against those of other colleges with 10,000 to 19,999 students.

Judges for the awards program consisted of a panel of admissions marketers, advertising creative directors, marketing and advertising professionals and the editorial board of Admissions Marketing Report.



▲ UMass Lowell's prize-winning undergraduate viewbook.

Seven Field Hockey Players Make National Academic Team

Seven members of the UMass Lowell field hockey team were named to the 2007 National Field Hockey Coaches Association Division II National Academic Team.

Senior Jayne Vagenas was named to the squad for the fourth straight season, while juniors Missy Seeley and Sasha Lovejoy were named to the team for the third straight season. Sophomore Molly Clay was picked for the second year. Lizzy Ales, Sammy Macy and Amy Carbon made the squad as freshmen.

In addition to the seven individuals named to the squad, the entire team was recognized for posting a team grade-point average of 3.0 or higher.

The River Hawks finished the 2007 season 19-3 and made their fourth consecutive trip to the NCAA tournament. UML captured the 2007 Northeast-10 regular season with a 15-1 regular season conference record and won the NE-10 tournament title for the fifth straight year.



University, City Implementing Steps to Improve Traffic Safety

The University and Lowell city officials are in the process of implementing a number of initiatives designed to increase traffic safety on campus streets, according to Rich Lemoine, assistant director of Environmental Health and Safety.

Recommendations that will be implemented immediately include placing cones in crosswalks, increasing enforcement of speed limits and installing rumble strips in the areas of crosswalks.

Lemoine, one member of the safety committee appointed recently by Chancellor Marty Meehan, says the committee continues to meet and coordinate efforts with Lowell police, fire and other city officials. The committee was formed following an incident in which a student was struck and seriously injured by a pickup truck on University Avenue.

"But we're not just looking at University Avenue," Lemoine says. "We'll be identifying ways to improve safety throughout all University roadways and in the surrounding neighborhoods."

The rumble strips will be similar to the grooved asphalt that is often used on the shoulders of highways. The noise generated when vehicle tires cross these strips will further alert drivers to the presence of the crosswalks they're approaching.

Other steps being implemented or under consideration include re-striping all crosswalks; posting crossing guards during high traffic periods; moving the University

Avenue bus stop to the Cumnock Hall side of the street; and installing "Walk/Don't Walk" traffic lights at the busy intersection of Riverside Street and University Avenue. Also, the installation of lights at crosswalks, like those on Riverside St. between Ball and Olsen halls, will be continued throughout the University.

In addition, the committee and city officials are studying the area in the vicinity of Fox Hall, where students have expressed concern over the speed of traffic and the dangers of pedestrians entering the roadway between parked cars.

NFL Retirees Describe Physical and Emotional Problems

Former Players Say Union and League Fail to Support Them

When former Pittsburgh Steeler Mike Webster was elected to the football Hall of Fame, says John Hannah, no one knew where to find him. He finally was located—living under a bridge.

When Hannah played for the New England Patriots, his best friend was teammate Leon Gray. After Gray retired from the National Football League in 1983, he worked in construction in the Boston area and, says Hannah, eventually became a recluse. When his body was discovered in his apartment in 2001, it was determined that he had been dead for two weeks. He was 49.

These grim tales were just two of many told this month during a panel discussion on the lingering injuries and emotional problems plaguing retired players.

Sponsored by Assoc. Prof. Jeffrey Gerson's Politics and Sports class, the panel in O'Leary 222 included four former Patriots — Hannah, Andre Tippett, Garin Veris and Ted Johnson; Peter Cronan of the Seattle Seahawks and Washington Redskins; and Bruce Laird of the Baltimore Colts and San Diego Chargers.

The six discussed the physical and emotional toll taken on professional football players and repeated their continuing demand that the NFL and the players' union provide financial support for medical care and improved pensions.

They also urged fans to complain to the NFL Players Union and its president, Gene Upshaw; and to write to the league and to members of Congress about the situation.

"We made the game what it is today," said Laird. "Now we're watching our friends die with no dignity. And all of us up here need new body parts."

The panelists agreed that they have no problem with the large amount of money players make



▲ John Hannah, widely recognized as the premier offensive guard in professional football when he played for New England from 1973 to 1985, signs an old-style Patriot helmet for a fan after the panel discussion on the troubles of retired players.

today, but that the league and their union should take care of those now retired who made the game the huge financial success it is today.

"The league," said Cronan, "has turned its back on those with equity ownership — us."

Veris said he had a rude awakening recently when he turned 45.

"I couldn't get out of bed and go to work for two days. It's starting. It's a rude awakening when you can't bend over to tie your shoes. It's time now for the NFL to realize they need to take care of the players."

Chancellor Marty Meehan opened the meeting, described the plight of the retired players and pointed to the need for relief. Former Boston Globe sportswriter Ron Borges introduced each of the six panelists, and Assoc. Prof. Gerson served as moderator of the event, which drew some 100 students, faculty, staff and media representatives.

The event began with the showing of a documentary film, "Blood Equity," that included clips of some violent on-field action and comments by those who were a part of it.

Said one 35-year-old former player, "I have no quality of life left. I gave it to the league."

River Hawks Face Terriers in Hockey East Playoffs

The River Hawks hockey team enters the 2008 Hockey East playoffs as the seventh seed and will play Boston University in the first round, which starts Friday, March 14. The team ended the regu-

lar season with a record of 15-15-4 overall and 10-13-4 in Hockey East.

The River Hawks will play the second-seeded Terriers at the Agganis Arena in Boston at 7:30 p.m. The game will be televised live on

NESN. The best-two-out-of-three series will continue on Saturday, March 15, at 7 p.m. and Sunday, March 16, at 7 p.m. if necessary.

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